

AMENDMENTS TO THE CLAIMS

1-373. (Cancelled)

374. (Currently Amended) A system for use in a communication network and comprising:

at least one first device;

at least one second device; and

a communication quality ameliorator including:

a first interface providing first interaction with said at least one first device, said first interaction including at least BLUETOOTH® communication; and

a second interface providing second interaction with said at least one second device, said second interaction including at least BLUETOOTH® communication.

375. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a communication security functionality.

376. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a firewall functionality.

377. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a content inspection functionality.

378. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides an authentication functionality.

379. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

380. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a proxy functionality.

381. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a communication monitoring functionality.

382. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a load balancing functionality.

383. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a caching functionality.

384. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a quality of service functionality.

385. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a communication availability functionality.

386. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a communication accountability functionality.

387. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides an accounting functionality.

388. (Original) A system according to claim 374 and wherein said communication quality ameliorator provides a billing functionality:

389. (Original) A system according to claim 374 and wherein said communications quality ameliorator is portable.

390. (Original) A system according to claim 389 and wherein said communication quality ameliorator provides a communication security functionality.

391. (Original) A system according to claim 389 and wherein said communication

quality ameliorator provides a communication performance amelioration functionality.

392. (Original) A system according to claim 389 and wherein said communication quality ameliorator provides a communication availability functionality.

393. (Original) A system according to claim 389 and wherein said communication quality ameliorator provides a communication accountability functionality.

394. (Original) A system according to claim 389 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

395. (Original) A system according to claim 374 and wherein said communications quality ameliorator is stationary.

396. (Original) A system according to claim 395 and wherein said communication quality ameliorator provides a communication security functionality.

397. (Original) A system according to claim 395 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

398. (Original) A system according to claim 395 and wherein said communication

quality ameliorator provides a communication availability functionality.

399. (Original) A system according to claim 395 and wherein said communication quality ameliorator provides a communication accountability functionality.

400. (Original) A system according to claim 395 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

401. (Currently Amended) A system according to claim 374 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

402. (Original) A system according to claim 401 and wherein said communication quality ameliorator provides a communication security functionality.

403. (Original) A system according to claim 401 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

404. (Original) A system according to claim 401 and wherein said communication quality ameliorator provides a communication availability functionality.

405. (Original) A system according to claim 401 and wherein said communication

quality ameliorator provides a communication accountability functionality.

406. (Original) A system according to claim 401 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

407. (Original) A system according to claim 401 and wherein said communications quality ameliorator is portable.

408. (Original) A system according to claim 407 and wherein said communication quality ameliorator provides a communication security functionality.

409. (Original) A system according to claim 407 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

410. (Original) A system according to claim 407 and wherein said communication quality ameliorator provides a communication availability functionality.

411. (Original) A system according to claim 407 and wherein said communication quality ameliorator provides a communication accountability functionality.

412. (Original) A system according to claim 407 and wherein said communication

quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

413. (Original) A system according to claim 401 and wherein said communications quality ameliorator is stationary.

414. (Original) A system according to claim 413 and wherein said communication quality ameliorator provides a communication security functionality.

415. (Original) A system according to claim 413 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

416. (Original) A system according to claim 413 and wherein said communication quality ameliorator provides a communication availability functionality.

417. (Original) A system according to claim 413 and wherein said communication quality ameliorator provides a communication accountability functionality.

418. (Original) A system according to claim 413 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;

a billing functionality;
a firewall functionality;
a content inspection functionality;
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.

419. (Original) A system according to claim 374 and wherein said first interaction includes at least some non-BLUETOOTH® communication.

420. (Original) A system according to claim 419 and wherein said communication quality ameliorator provides a communication security functionality.

421. (Original) A system according to claim 419 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

422. (Original) A system according to claim 419 and wherein said communication quality ameliorator provides a communication availability functionality.

423. (Original) A system according to claim 419 and wherein said communication quality ameliorator provides a communication accountability functionality.

424. (Original) A system according to claim 419 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;
a firewall functionality;
a content inspection functionality;

- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

425. (Original) A system according to claim 419 and wherein said communications quality ameliorator is portable.

426. (Original) A system according to claim 425 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

427. (Original) A system according to claim 425 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

428. (Original) A system according to claim 419 and wherein said communications

quality ameliorator is stationary.

429. (Original) A system according to claim 428 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

430. (Original) A system according to claim 428 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

431. (Currently Amended) A system according to claim 419 wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

432. (Original) A system according to claim 431 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

433. (Original) A system according to claim 431 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

434. (Currently Amended) A system according to claim 374 and wherein said first interaction comprises at least principally ~~of~~ BLUETOOTH® communication with an access point.

435. (Original) A system according to claim 434 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

436. (Original) A system according to claim 434 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;

- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

437. (Original) A system according to claim 434 and wherein said communications quality ameliorator is portable.

438. (Original) A system according to claim 437 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

439. (Original) A system according to claim 437 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

440. (Original) A system according to claim 434 and wherein said communications quality ameliorator is stationary.

441. (Original) A system according to claim 440 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

442. (Original) A system according to claim 440 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

443. (Currently Amended) A system according to claim 434 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

444. (Original) A system according to claim 443 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and

a communication accountability functionality.

445. (Original) A system according to claim 443 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;

an accounting functionality;

a billing functionality;

a firewall functionality;

a content inspection functionality;

a proxy functionality;

a caching functionality;

a quality of service functionality;

an encryption functionality;

an authentication functionality; and

a load balancing functionality.

446. (Original) A system according to claim 434 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

447. (Currently Amended) A system according to claim 374 and wherein both said first and second interactions comprise at least principally ~~of~~—BLUETOOTH® communication.

448. (Original) A system according to claim 447 and wherein said communication quality ameliorator provides a communication security functionality.

449. (Original) A system according to claim 447 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

450. (Original) A system according to claim 447 and wherein said communication quality ameliorator provides a communication availability functionality.

451. (Original) A system according to claim 447 and wherein said communication quality ameliorator provides a communication accountability functionality.

452. (Original) A system according to claim 447 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

453. (Original) A system according to claim 447 and wherein said communications quality ameliorator is portable.

454. (Original) A system according to claim 453 and wherein said communication quality ameliorator provides a communication security functionality.

455. (Original) A system according to claim 453 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

456. (Original) A system according to claim 453 and wherein said communication quality ameliorator provides a communication availability functionality.

457. (Original) A system according to claim 453 and wherein said communication quality ameliorator provides a communication accountability functionality.

458. (Original) A system according to claim 453 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

459. (Original) A system according to claim 447 and wherein said communications quality ameliorator is stationary.

460. (Original) A system according to claim 459 and wherein said communication quality ameliorator provides a communication security functionality.

461. (Original) A system according to claim 459 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

462. (Original) A system according to claim 459 and wherein said communication quality ameliorator provides a communication availability functionality.

463. (Original) A system according to claim 459 and wherein said communication quality ameliorator provides a communication accountability functionality.

464. (Original) A system according to claim 459 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

465. (Original) A system according to claim 374 and wherein both said at least one first device comprises a server.

466. (Original) A system according to claim 465 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

467. (Original) A system according to claim 465 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;

- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

468. (Original) A system according to claim 465 and wherein said communications quality ameliorator is portable.

469. (Original) A system according to claim 468 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

470. (Original) A system according to claim 468 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

471. (Original) A system according to claim 465 and wherein said communications quality ameliorator is stationary.

472. (Original) A system according to claim 471 and wherein said communication

quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

473. (Original) A system according to claim 471 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

474. (Currently Amended) A system according to claim 465 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

475. (Original) A system according to claim 474 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

476. (Original) A system according to claim 474 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

477. (Original) A system according to claim 465 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

478. (Original) A system according to claim 465 and wherein said at least one first device comprises a plurality of first devices.

479. (Original) A system according to claim 374 and wherein said at least one first device comprises at least one of:

- a printer;
- a web site;
- a computer;
- a computer screen;
- a cordless telephone base unit;
- an authenticator; and
- a domestic appliance.

480. (Original) A system according to claim 374 and wherein both said at least one second device comprises a client.

481. (Original) A system according to claim 480 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

482. (Original) A system according to claim 480 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

483. (Original) A system according to claim 480 and wherein said communications quality ameliorator is portable.

484. (Original) A system according to claim 483 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

485. (Original) A system according to claim 483 and wherein said communication

quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

486. (Original) A system according to claim 480 and wherein said communications quality ameliorator is stationary.

487. (Original) A system according to claim 486 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

488. (Original) A system according to claim 486 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;

- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

489. (Currently Amended) A system according to claim 480 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

490. (Original) A system according to claim 489 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

491. (Original) A system according to claim 489 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

492. (Original) A system according to claim 480 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

493. (Original) A system according to claim 480 and wherein said at least one second device comprises a plurality of second devices.

494. (Original) A system according to claim 374 and wherein said at least one second device comprises at least one of:

- an electronic wallet;
- a telephone;
- a cordless telephone handset
- a personal digital assistant;
- a portable computer;
- a keyboard;
- a mouse; and
- a remote controller.

495. (Currently Amended) A system for use in a communication network and comprising:

- at least one first device;
- at least one second device; and
- a communications quality ameliorator including:

- a first interface providing first interaction with said at least one first device, said first interaction including at least BLUETOOTH® communication; and

- a second interface providing second interaction with said at least one second device, said second device being required to conduct certain communications only via said communications quality ameliorator, said second interaction including at least BLUETOOTH® communication.

496. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a communication security functionality.

497. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a firewall functionality.

498. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a content inspection functionality.

499. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides an authentication functionality.

500. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

501. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a proxy functionality.

502. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a communication monitoring functionality.

503. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a load balancing functionality.

504. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a caching functionality.

505. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a quality of service functionality.

506. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a communication availability functionality.

507. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a communication accountability functionality.

508. (Original) A system according to claim 495 and wherein said communication

quality ameliorator provides an accounting functionality.

509. (Original) A system according to claim 495 and wherein said communication quality ameliorator provides a billing functionality:

510. (Original) A system according to claim 495 and wherein said communications quality ameliorator is portable.

511. (Original) A system according to claim 510 and wherein said communication quality ameliorator provides a communication security functionality.

512. (Original) A system according to claim 510 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

513. (Original) A system according to claim 510 and wherein said communication quality ameliorator provides a communication availability functionality.

514. (Original) A system according to claim 510 and wherein said communication quality ameliorator provides a communication accountability functionality.

515. (Original) A system according to claim 510 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and

a load balancing functionality.

516. (Original) A system according to claim 495 and wherein said communications quality ameliorator is stationary.

517. (Original) A system according to claim 516 and wherein said communication quality ameliorator provides a communication security functionality.

518. (Original) A system according to claim 516 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

519. (Original) A system according to claim 516 and wherein said communication quality ameliorator provides a communication availability functionality.

520. (Original) A system according to claim 516 and wherein said communication quality ameliorator provides a communication accountability functionality.

521. (Original) A system according to claim 516 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

522. (Currently Amended) A system according to claim 495 and wherein said second

interaction comprises at least principally of BLUETOOTH® communication.

523. (Original) A system according to claim 522 and wherein said communication quality ameliorator provides a communication security functionality.

524. (Original) A system according to claim 522 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

525. (Original) A system according to claim 522 and wherein said communication quality ameliorator provides a communication availability functionality.

526. (Original) A system according to claim 522 and wherein said communication quality ameliorator provides a communication accountability functionality.

527. (Original) A system according to claim 522 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

528. (Original) A system according to claim 522 and wherein said communications quality ameliorator is portable.

529. (Original) A system according to claim 528 and wherein said communication

quality ameliorator provides a communication security functionality.

530. (Original) A system according to claim 528 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

531. (Original) A system according to claim 528 and wherein said communication quality ameliorator provides a communication availability functionality.

532. (Original) A system according to claim 528 and wherein said communication quality ameliorator provides a communication accountability functionality.

533. (Original) A system according to claim 528 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

534. (Original) A system according to claim 522 and wherein said communications quality ameliorator is stationary.

535. (Original) A system according to claim 534 and wherein said communication quality ameliorator provides a communication security functionality.

536. (Original) A system according to claim 534 and wherein said communication

quality ameliorator provides a communication performance amelioration functionality.

537. (Original) A system according to claim 534 and wherein said communication quality ameliorator provides a communication availability functionality.

538. (Original) A system according to claim 534 and wherein said communication quality ameliorator provides a communication accountability functionality.

539. (Original) A system according to claim 534 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

540. (Original) A system according to claim 495 and wherein said first interaction includes at least some non-BLUETOOTH® communication.

541. (Original) A system according to claim 540 and wherein said communication quality ameliorator provides a communication security functionality.

542. (Original) A system according to claim 540 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

543. (Original) A system according to claim 540 and wherein said communication

quality ameliorator provides a communication availability functionality.

544. (Original) A system according to claim 540 and wherein said communication quality ameliorator provides a communication accountability functionality.

545. (Original) A system according to claim 540 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

546. (Original) A system according to claim 540 and wherein said communications quality ameliorator is portable.

547. (Original) A system according to claim 546 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

548. (Original) A system according to claim 546 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;

- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

549. (Original) A system according to claim 540 and wherein said communications quality ameliorator is stationary.

550. (Original) A system according to claim 549 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

551. (Original) A system according to claim 549 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;

an authentication functionality; and
a load balancing functionality.

552. (Currently Amended) A system according to claim 540 wherein said second interaction comprises at least principally ~~of~~BLUETOOTH® communication.

553. (Original) A system according to claim 552 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

554. (Original) A system according to claim 552 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

555. (Currently Amended) A system according to claim 495 and wherein said first interaction comprises at least principally ~~of~~BLUETOOTH® communication with an access point.

556. (Original) A system according to claim 555 and wherein said communication

quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

557. (Original) A system according to claim 555 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

558. (Original) A system according to claim 555 and wherein said communications quality ameliorator is portable.

559. (Original) A system according to claim 558 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

560. (Original) A system according to claim 558 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

561. (Original) A system according to claim 555 and wherein said communications quality ameliorator is stationary.

562. (Original) A system according to claim 561 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

563. (Original) A system according to claim 561 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;

- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

564. (Currently Amended) A system according to claim 555 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

565. (Original) A system according to claim 564 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

566. (Original) A system according to claim 564 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

567. (Original) A system according to claim 555 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

568. (Currently Amended) A system according to claim 495 and wherein both said first and second interactions comprise at least principally ~~of~~—BLUETOOTH® communication.

569. (Original) A system according to claim 568 and wherein said communication quality ameliorator provides a communication security functionality.

570. (Original) A system according to claim 568 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

571. (Original) A system according to claim 568 and wherein said communication quality ameliorator provides a communication availability functionality.

572. (Original) A system according to claim 568 and wherein said communication quality ameliorator provides a communication accountability functionality.

573. (Original) A system according to claim 568 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

574. (Original) A system according to claim 568 and wherein said communications quality ameliorator is portable.

575. (Original) A system according to claim 574 and wherein said communication quality ameliorator provides a communication security functionality.

576. (Original) A system according to claim 574 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

577. (Original) A system according to claim 574 and wherein said communication quality ameliorator provides a communication availability functionality.

578. (Original) A system according to claim 574 and wherein said communication quality ameliorator provides a communication accountability functionality.

579. (Original) A system according to claim 574 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

580. (Original) A system according to claim 568 and wherein said communications quality ameliorator is stationary.

581. (Original) A system according to claim 580 and wherein said communication quality ameliorator provides a communication security functionality.

582. (Original) A system according to claim 580 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

583. (Original) A system according to claim 580 and wherein said communication quality ameliorator provides a communication availability functionality.

584. (Original) A system according to claim 580 and wherein said communication quality ameliorator provides a communication accountability functionality.

585. (Original) A system according to claim 580 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;

- an accounting functionality;

- a billing functionality;

- a firewall functionality;

- a content inspection functionality;

- a proxy functionality;

- a caching functionality;

- a quality of service functionality;

- an encryption functionality;

- an authentication functionality; and

- a load balancing functionality.

586. (Original) A system according to claim 495 and wherein both said at least one first device comprises a server.

587. (Original) A system according to claim 586 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;

- a performance amelioration functionality;

- a communication availability functionality; and

a communication accountability functionality.

588. (Original) A system according to claim 586 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

589. (Original) A system according to claim 586 and wherein said communications quality ameliorator is portable.

590. (Original) A system according to claim 589 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

591. (Original) A system according to claim 589 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;

- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

592. (Original) A system according to claim 586 and wherein said communications quality ameliorator is stationary.

593. (Original) A system according to claim 592 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

594. (Original) A system according to claim 592 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

595. (Currently Amended) A system according to claim 586 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

596. (Original) A system according to claim 595 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

597. (Original) A system according to claim 595 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

598. (Original) A system according to claim 586 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

599. (Original) A system according to claim 586 and wherein said at least one first device comprises a plurality of first devices.

600. (Original) A system according to claim 495 and wherein said at least one first

device comprises at least one of:

- a printer;
- a web site;
- a computer;
- a computer screen;
- a cordless telephone base unit;
- an authenticator; and
- a domestic appliance.

601. (Original) A system according to claim 495 and wherein both said at least one second device comprises a client.

602. (Original) A system according to claim 601 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

603. (Original) A system according to claim 601 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

604. (Original) A system according to claim 601 and wherein said communications quality ameliorator is portable.

605. (Original) A system according to claim 604 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

606. (Original) A system according to claim 604 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

607. (Original) A system according to claim 601 and wherein said communications quality ameliorator is stationary.

608. (Original) A system according to claim 607 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;

a communication availability functionality; and
a communication accountability functionality.

609. (Original) A system according to claim 607 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;
a firewall functionality;
a content inspection functionality;
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.

610. (Currently Amended) A system according to claim 601 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

611. (Original) A system according to claim 610 and wherein said communication quality ameliorator provides at least one of the following functionalities:

a communication security functionality;
a performance amelioration functionality;
a communication availability functionality; and
a communication accountability functionality.

612. (Original) A system according to claim 610 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;

- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

613. (Original) A system according to claim 601 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

614. (Original) A system according to claim 601 and wherein said at least one second device comprises a plurality of second devices.

615. (Original) A system according to claim 495 and wherein said at least one second device comprises at least one of:

- an electronic wallet;
- a telephone;
- a cordless telephone handset
- a personal digital assistant;
- a portable computer;
- a keyboard;
- a mouse; and
- a remote controller.

616. (Currently Amended) A communications quality ameliorator including:

- a first interface providing first interaction with at least one first device, said first interaction including at least BLUETOOTH® communication; and

- a second interface providing second interaction with at least one second device, said second interaction including at least BLUETOOTH® communication.

617. (Original) A communications quality ameliorator according to claim 616 and wherein said communication quality ameliorator provides a communication security functionality.

618. (Original) A communications quality ameliorator according to claim 616 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

619. (Original) A communications quality ameliorator according to claim 616 and wherein said communication quality ameliorator provides a communication availability functionality.

620. (Original) A communications quality ameliorator according to claim 616 and wherein said communication quality ameliorator provides a communication accountability functionality.

621. (Original) A communications quality ameliorator according to claim 616 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

622. (Original) A communications quality ameliorator according to claim 616 and wherein said communications quality ameliorator is portable.

623. (Original) A communications quality ameliorator according to claim 622 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

624. (Original) A communications quality ameliorator according to claim 622 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

625. (Original) A communications quality ameliorator according to claim 616 and wherein said communications quality ameliorator is stationary.

626. (Original) A communications quality ameliorator according to claim 625 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

627. (Original) A communications quality ameliorator according to claim 625 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

628. (Currently Amended) A communications quality ameliorator according to claim 616 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

629. (Original) A communications quality ameliorator according to claim 628 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

630. (Original) A communications quality ameliorator according to claim 628 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

631. (Original) A communications quality ameliorator according to claim 628 and wherein said communications quality ameliorator is portable.

632. (Original) A communications quality ameliorator according to claim 631 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

633. (Original) A communications quality ameliorator according to claim 631 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;

- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

634. (Original) A communications quality ameliorator according to claim 628 and wherein said communications quality ameliorator is stationary.

635. (Original) A communications quality ameliorator according to claim 634 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

636. (Original) A communications quality ameliorator according to claim 634 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality; ,

an authentication functionality; and
a load balancing functionality.

637. (Original) A communications quality ameliorator according to claim 616 and wherein said first interaction includes at least some non-BLUETOOTH® communication.

638. (Original) A communications quality ameliorator according to claim 637 and wherein said communication quality ameliorator provides at least one of the following functionalities:

a communication security functionality;
a performance amelioration functionality;
a communication availability functionality; and
a communication accountability functionality.

639. (Original) A communications quality ameliorator according to claim 637 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;
a firewall functionality;
a content inspection functionality;
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.

640. (Original) A communications quality ameliorator according to claim 637 and wherein said communications quality ameliorator is portable.

641. (Original) A communications quality ameliorator according to claim 640 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

642. (Original) A communications quality ameliorator according to claim 637 and wherein said communications quality ameliorator is stationary.

643. (Currently Amended) A communications quality ameliorator according to claim 637 wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

644. (Currently Amended) A communications quality ameliorator according to claim 616 and wherein said first interaction comprises at least principally ~~of~~ BLUETOOTH® communication with an access point.

645. (Original) A communications quality ameliorator according to claim 644 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

646. (Original) A communications quality ameliorator according to claim 644 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;

- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

647. (Original) A communications quality ameliorator according to claim 644 and wherein said communications quality ameliorator is portable.

648. (Original) A communications quality ameliorator according to claim 647 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

649. (Original) A communications quality ameliorator according to claim 644 and wherein said communications quality ameliorator is stationary.

650. (Currently Amended) A communications quality ameliorator according to claim 644 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

651. (Original) A communications quality ameliorator according to claim 650 and wherein said communication quality ameliorator provides at least one of the following functionalities:

a communication security functionality;
a performance amelioration functionality;
a communication availability functionality; and
a communication accountability functionality.

652. (Original) A communications quality ameliorator according to claim 644 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

653. (Currently Amended) A communications quality ameliorator according to claim 616 and wherein both said first and second interactions comprise at least principally of BLUETOOTH® communication.

654. (Original) A communications quality ameliorator according to claim 653 and wherein said communication quality ameliorator provides a communication security functionality.

655. (Original) A communications quality ameliorator according to claim 653 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

656. (Original) A communications quality ameliorator according to claim 653 and wherein said communication quality ameliorator provides a communication availability functionality.

657. (Original) A communications quality ameliorator according to claim 653 and wherein said communication quality ameliorator provides a communication accountability functionality.

658. (Original) A communications quality ameliorator according to claim 653 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

659. (Original) A communications quality ameliorator according to claim 653 and wherein said communications quality ameliorator is portable.

660. (Original) A communications quality ameliorator according to claim 659 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

661. (Original) A communications quality ameliorator according to claim 653 and wherein said communications quality ameliorator is stationary.

662. (Original) A communications quality ameliorator according to claim 661 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and

a communication accountability functionality.

663. (Currently Amended) A communications quality ameliorator comprising:

a first interface providing interaction with at least one first device; and

a second interface providing interaction with at least one second device, said second device being required to conduct certain communications only via said communications quality ameliorator, said interaction including at least BLUETOOTH® communication; and

_____ a content inspector, operative to combat malicious content passing therethrough.

664. (Original) A communications quality ameliorator according to claim 663 and wherein said communication quality ameliorator provides a communication security functionality.

665. (Original) A communications quality ameliorator according to claim 663 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

666. (Original) A communications quality ameliorator according to claim 663 and wherein said communication quality ameliorator provides a communication availability functionality.

667. (Original) A communications quality ameliorator according to claim 663 and wherein said communication quality ameliorator provides a communication accountability functionality.

668. (Currently Amended) A communications quality ameliorator according to claim 663 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;

an accounting functionality;

a billing functionality;

- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

669. (Original) A communications quality ameliorator according to claim 663 and wherein said communications quality ameliorator is portable.

670. (Original) A communications quality ameliorator according to claim 669 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

671. (Currently Amended) A communications quality ameliorator according to claim 669 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;

an authentication functionality; and
a load balancing functionality.

672. (Original) A communications quality ameliorator according to claim 663 and wherein said communications quality ameliorator is stationary.

673. (Original) A communications quality ameliorator according to claim 672 and wherein said communication quality ameliorator provides at least one of the following functionalities:

a communication security functionality;
a performance amelioration functionality;
a communication availability functionality; and
a communication accountability functionality.

674. (Currently Amended) A communications quality ameliorator according to claim 672 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;
a firewall functionality;
~~a content inspection functionality;~~
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.

675. (Currently Amended) A communications quality ameliorator according to claim 663 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

676. (Original) A communications quality ameliorator according to claim 675 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

677. (Currently Amended) A communications quality ameliorator according to claim 675 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

678. (Original) A communications quality ameliorator according to claim 675 and wherein said communications quality ameliorator is portable.

679. (Original) A communications quality ameliorator according to claim 678 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;

a communication availability functionality; and
a communication accountability functionality.

680. (Currently Amended) A communications quality ameliorator according to claim 678 and wherein said communication quality ameliorator includes at least one of the following functionalities:

a communication monitoring functionality;
an accounting functionality;
a billing functionality;
a firewall functionality;
~~a content inspection functionality;~~
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.

681. (Original) A communications quality ameliorator according to claim 675 and wherein said communications quality ameliorator is stationary.

682. (Original) A communications quality ameliorator according to claim 681 and wherein said communication quality ameliorator provides at least one of the following functionalities:

a communication security functionality;
a performance amelioration functionality;
a communication availability functionality; and
a communication accountability functionality.

683. (Currently Amended) A communications quality ameliorator according to claim 681 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

684. (Original) A communications quality ameliorator according to claim 663 and wherein said first interaction includes at least some non-BLUETOOTH® communication.

685. (Original) A communications quality ameliorator according to claim 684 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

686. (Currently Amended) A communications quality ameliorator according to claim 684 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~

- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

687. (Original) A communications quality ameliorator according to claim 684 and wherein said communications quality ameliorator is portable.

688. (Original) A communications quality ameliorator according to claim 687 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

689. (Original) A communications quality ameliorator according to claim 684 and wherein said communications quality ameliorator is stationary.

690. (Currently Amended) A communications quality ameliorator according to claim 684 wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

691. (Currently Amended) A communications quality ameliorator according to claim 663 and wherein said first interaction comprises at least principally ~~of~~ BLUETOOTH® communication with an access point.

692. (Original) A communications quality ameliorator according to claim 691 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

693. (Currently Amended) A communications quality ameliorator according to claim 691 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

694. (Original) A communications quality ameliorator according to claim 691 and wherein said communications quality ameliorator is portable.

695. (Original) A communications quality ameliorator according to claim 694 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

696. (Original) A communications quality ameliorator according to claim 691 and

wherein said communications quality ameliorator is stationary.

697. (Currently Amended) A communications quality ameliorator according to claim 691 and wherein said second interaction comprises at least principally of BLUETOOTH® communication.

698. (Original) A communications quality ameliorator according to claim 697 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

699. (Original) A communications quality ameliorator according to claim 691 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

700. (Currently Amended) A communications quality ameliorator according to claim 663 and wherein both said first and second interactions comprise at least principally of BLUETOOTH® communication.

701. (Original) A communications quality ameliorator according to claim 700 and wherein said communication quality ameliorator provides a communication security functionality.

702. (Original) A communications quality ameliorator according to claim 700 and wherein said communication quality ameliorator provides a communication performance amelioration functionality.

703. (Original) A communications quality ameliorator according to claim 700 and wherein said communication quality ameliorator provides a communication availability

functionality.

704. (Original) A communications quality ameliorator according to claim 700 and wherein said communication quality ameliorator provides a communication accountability functionality.

705. (Currently Amended) A communications quality ameliorator according to claim 700 and wherein said communication quality ameliorator includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- ~~a content inspection functionality;~~
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

706. (Original) A communications quality ameliorator according to claim 700 and wherein said communications quality ameliorator is portable.

707. (Original) A communications quality ameliorator according to claim 706 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

708. (Original) A communications quality ameliorator according to claim 700 and wherein said communications quality ameliorator is stationary.

709. (Original) A communications quality ameliorator according to claim 708 and wherein said communication quality ameliorator provides at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

710. (Currently Amended) A method for use in a communication network comprising, said method comprising:

providing a communication quality ameliorator including at least one amelioration functionality;

providing a first interaction between said at least one ameliorator ~~amelioration functionality~~ and at least one first device, said first interaction including at least BLUETOOTH® communication; and

providing a second interaction between said at least one ameliorator ~~amelioration functionality~~ and at least one second device, said second interaction including at least BLUETOOTH® communication.

711. (Currently Amended) A method according to claim 710 and wherein said at least one amelioration functionality includes a communication security functionality.

712. (Currently Amended) A method according to claim 710 and wherein said at least one amelioration functionality includes a communication performance amelioration functionality.

713. (Currently Amended) A method according to claim 710 and wherein said at least one amelioration functionality includes a communication availability functionality.

714. (Currently Amended) A method according to claim 710 and wherein said at least

one amelioration functionality includes a communication accountability functionality.

715. (Currently Amended) A method according to claim 710 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

716. (Currently Amended) A method according to claim 710 and wherein said second interaction comprises at least principally ~~of~~ BLUETOOTH® communication.

717. (Currently Amended) A method according to claim 716 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

718. (Currently Amended) A method according to claim 716 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;

- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

719. (Original) A method according to claim 710 and wherein said first interaction includes at least some non-BLUETOOTH® communication.

720. (Currently Amended) A method according to claim 719 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

721. (Currently Amended) A method according to claim 719 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

722. (Currently Amended) A method according to claim 719 wherein said second interaction comprises at least principally ~~of~~BLUETOOTH® communication.

723. (Currently Amended) A method according to claim 710 and wherein said first interaction comprises at least principally ~~of~~BLUETOOTH® communication with an access point.

724. (Currently Amended) A method according to claim 723 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

725. (Currently Amended) A method according to claim 723 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;
- a firewall functionality;
- a content inspection functionality;
- a proxy functionality;
- a caching functionality;
- a quality of service functionality;
- an encryption functionality;
- an authentication functionality; and
- a load balancing functionality.

726. (Currently Amended) A method according to claim 723 and wherein said second interaction comprises at least principally ~~of~~BLUETOOTH® communication.

727. (Currently Amended) A method according to claim 726 and wherein said at least

one amelioration functionality includes at least one of the following functionalities:

- a communication security functionality;
- a performance amelioration functionality;
- a communication availability functionality; and
- a communication accountability functionality.

728. (Original) A method according to claim 723 and wherein said first interaction includes at least some non-BLUETOOTH® communication between said access point and said at least one first device.

729. (Currently Amended) A method according to claim 710 and wherein both said first and second interactions comprise at least principally ~~of~~—BLUETOOTH® communication.

730. (Currently Amended) A method according to claim 729 and wherein said at least one amelioration functionality includes a communication security functionality.

731. (Currently Amended) A method according to claim 729 and wherein said at least one amelioration functionality includes a communication performance amelioration functionality.

732. (Currently Amended) A method according to claim 729 and wherein said at least one amelioration functionality includes a communication availability functionality.

733. (Currently Amended) A method according to claim 729 and wherein said at least one amelioration functionality includes a communication accountability functionality.

734. (Currently Amended) A method according to claim 729 and wherein said at least one amelioration functionality includes at least one of the following functionalities:

- a communication monitoring functionality;
- an accounting functionality;
- a billing functionality;

a firewall functionality;
a content inspection functionality;
a proxy functionality;
a caching functionality;
a quality of service functionality;
an encryption functionality;
an authentication functionality; and
a load balancing functionality.